

TABLE 39

Federal obligations for experimental development, by agency and field of R&D: FY 2021

(Dollars in thousands)

Agency	Total	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
All agencies	103,907,229	3,174,544	2,054,665	39,393,808	291,595	2,122,091	363,912	139,135	43,218,196	13,149,281
Departments										
Department of Agriculture	236,858	12,502	1,210	58,663	0	1,264	0	9,523	2,655	151,040
Agricultural Marketing Service	6,663	0	0	6,663	0	0	0	0	0	0
Agricultural Research Service	151,040	0	0	0	0	0	0	0	0	151,040
Animal and Plant Health Inspection Service	20,880	0	0	20,880	0	0	0	0	0	0
Forest Service	53,038	8,165	1,210	30,220	0	1,264	0	9,523	2,655	0
National Agricultural Statistics Service	4,337	4,337	0	0	0	0	0	0	0	0
Natural Resources Conservation Service	900	0	0	900	0	0	0	0	0	0
Department of Commerce	307,003	3,862	123,454	103,734	519	5,496	0	55,021	8,873	6,044
Census Bureau	52,744	3,500	0	0	79	0	0	49,166	0	0
National Institute of Standards and Technology	100,940	*	0	89,511	259	3,144	0	0	8,026	0
National Oceanic and Atmospheric Administration	153,319	362	123,454	14,224	181	2,352	0	5,855	847	6,044
Department of Defense	60,971,497	3,045,886	1,723,689	5,035,769	289,217	1,728,675	363,782	69,381	39,587,449	9,127,648
Defense Advanced Research Projects Agency	1,760,568	116,800	6,304	0	0	133,719	0	0	1,056,196	447,550
Defense Health Agency	2,719,158	0	0	2,710,956	0	6,583	0	0	170	1,449
Department of the Air Force	10,003,295	207,371	1,470,377	16,916	0	200,014	0	0	5,479,823	2,628,793
Department of the Army	10,007,091	2,097,064	94,510	1,992,899	211,276	763,558	358,143	47,950	0	4,441,690
Department of the Navy	15,079,522	162,353	128,828	35,868	818	181,833	5,639	11,171	14,380,282	172,731
Space Force	5,243,308	0	0	0	75,320	94,215	0	0	5,061,224	12,549
Other defense agencies	16,158,554	462,298	23,670	279,129	1,802	348,753	0	10,260	13,609,755	1,422,886
Department of Education	101,327	0	0	0	0	0	0	0	0	101,327
Department of Energy	2,676,001	28,773	27,509	26,349	969	70,523	0	0	2,520,420	1,458
Advanced Research Projects Agency—Energy	157,363	15,308	1,582	26,219	0	0	0	0	114,253	0
Electricity Delivery and Energy Reliability	66,567	0	0	0	0	0	0	0	66,567	0
Energy Efficiency and Renewable Energy	718,556	0	0	0	0	0	0	0	718,556	0
Environmental Management	20,105	0	20,105	0	0	0	0	0	0	0

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National Nuclear Security Administration	1,605,187	13,464	5,822	130	969	70,523	0	0	1,512,820	1,458
Defense Programs	375,201	0	0	0	0	5,234	0	0	369,968	0
Naval Nuclear Propulsion Program	1,140,270	0	0	0	0	0	0	0	1,140,270	0
Office of Defense Nuclear Nonproliferation	89,715	13,464	5,822	130	969	65,289	0	0	2,583	1,458
Nuclear Energy	108,224	0	0	0	0	0	0	0	108,224	0
Department of Health and Human Services	33,932,925	30,109	0	33,892,051	0	0	0	0	2,765	8,000
Agency for Healthcare Research and Quality	29,855	29,855	0	0	0	0	0	0	0	0
Biomedical Advanced Research and Development Authority	33,881,017	0	0	33,881,017	0	0	0	0	0	0
Centers for Disease Control and Prevention	14,053	254	0	11,034	0	0	0	0	2,765	0
Health Resources and Services Administration	8,000	0	0	0	0	0	0	0	0	8,000
Department of Homeland Security	291,022	51,325	11,144	0	0	28,660	130	0	116,392	83,370
Coast Guard	7,281	2,081	301	0	0	0	130	0	4,770	0
Countering Weapons of Mass Destruction Office	11,062	3,875	0	0	0	7,187	0	0	0	0
Cybersecurity and Infrastructure Security Agency	3,498	3,498	0	0	0	0	0	0	0	0
Science and Technology Directorate	240,186	41,872	10,844	0	0	21,473	0	0	110,627	55,370
Secret Service	994	0	0	0	0	0	0	0	994	0
Transportation Security Administration	28,000	0	0	0	0	0	0	0	0	28,000
Department of the Interior	148,280	0	81,706	45,650	0	0	0	686	20,238	0
Bureau of Land Management	930	0	0	930	0	0	0	0	0	0
Bureau of Ocean Energy Management	14,200	0	14,200	0	0	0	0	0	0	0
Bureau of Reclamation	20,000	0	0	0	0	0	0	0	20,000	0
Bureau of Safety and Environmental Enforcement	238	0	0	0	0	0	0	0	238	0
Geological Survey	111,780	0	67,506	44,274	0	0	0	0	0	0
National Park Service	1,132	0	0	446	0	0	0	686	0	0

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Department of Justice	6,102	485	0	0	0	1,764	0	3,849	0	*
Bureau of Prisons	*	0	0	0	0	0	0	*	0	*
Office of Justice Programs	6,096	485	0	0	0	1,764	0	3,847	0	0
Department of State	20,000	0	0	20,000	0	0	0	0	0	0
Department of Transportation	285,241	0	*	0	0	468	0	0	44,522	240,240
Federal Aviation Administration	240,240	0	0	0	0	0	0	0	0	240,240
Federal Highway Administration	36,605	0	0	0	0	0	0	0	36,605	0
Federal Motor Carrier Safety Administration	468	0	0	0	0	468	0	0	0	0
Federal Railroad Administration	7,177	0	*	0	0	0	0	0	7,165	0
Federal Transit Administration	752	0	0	0	0	0	0	0	752	0
Department of the Treasury	7,539	0	0	0	0	7,539	0	0	0	0
Bureau of Engraving and Printing	7,384	0	0	0	0	7,384	0	0	0	0
Mint	155	0	0	0	0	155	0	0	0	0
Department of Veterans Affairs	137,285	0	0	137,285	0	0	0	0	0	0
Other agencies										
Agency for International Development	30,487	0	0	28,087	0	0	0	0	0	2,400
Environmental Protection Agency	116,994	1,602	48,220	46,220	890	2,793	0	675	16,592	*
Library of Congress	2,177	0	0	0	0	2,177	0	0	0	0
National Aeronautics and Space Administration	4,625,310	0	37,721	0	0	272,733	0	0	887,109	3,427,748
Nuclear Regulatory Commission	3,418	0	0	0	0	0	0	0	3,418	0
Tennessee Valley Authority	7,763	0	0	0	0	0	0	0	7,763	0

* = amount greater than \$0 but less than \$50,000.

Note(s):

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FY 2021 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table. As of volume 71 (FYs 2021–22), the fields of R&D (formerly, "fields of science and engineering") were revised for consistency with other National Center for Science and Engineering Statistics surveys; some fields were added, merged, or split, and some fields were renamed. Therefore, the data are not directly comparable with totals reported in previous years. See technical table A-3 for additional notes associated with the taxonomy changes to the fields listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021–22.